CLAIMS

1. Telecommunications and telephony network (AT) for controlling mobile (TC) or fixed peripheral devices at a customer premises, of the type comprising at least one local area network, at least one local residents' network (RLC), at least one regional network, at least one national network and a central network, said telecommunications and telephony network (AT) being provided for delivering signals and data between a plurality of local accesses (AL, AL1), including local users (UL), and a plurality of networks accesses (AG), through local exchanges (CL, CR), each of said local exchanges (CL, CR) including a multi-protocol gateway device (GV) for video and audio signals and data compression and conversion into IP packets bearing IP telephony data flow or data flow from the Internet and a local routing device (R) for routing said IP telephony data flow or data flow from the Internet, wherein said local users (UL) of each local access (AL, AL1) are connected to local centralising devices (MD) through first linking means (C0) for flowing data and signals, and said local centralising devices (MD) are in turn connected to said local exchanges (CL, CR) through second linking means (C1, C4) for flowing data and signals, while said local exchanges (CL, CR) are connected to said networks accesses (AG) through third linking means (C2, C41) for flowing data

and signals, characterised in that at least said second (C1, C4) and said third linking means (C2, C41) are constituted by bidirectional satellite radio bridges (RLD, ST).

2. Telecommunications and telephony network (AT) as claimed in claim 1, characterised in that said first linking means (C0) are constituted by physical cables, such as telephone twisted pairs or optical fibers.

3. Telecommunications and telephony network (AT) as claimed in claim 1, characterised in that said local routing devices (R) are connected to satellite routing devices (RS) or to radio bridges (PR), said radio bridges (PR) being able to provide connection between local residents' networks (RLC).

4. Telecommunications and telephony network (AT) as claimed in claim 1, characterised in that each national network is connected to the relative regional network by means of a digital geostationary satellite network.

5. Telecommunications and telephony network (AT) as claimed in claim 1, characterised in that each regional network is connected to the relative local residents' network (RLC) by means of a digital bidirectional satellite radio transmission or by means of communication via optical fibres.